



EPA Region 5 Records Ctr.



317105

December 10, 2006

Mr. Timothy Fischer  
U. S. EPA - Region 5  
77 West Jackson Boulevard (SR-6J)  
Chicago, Illinois 60604-3590

**Re: Sauget Sites Area I - January 21, 1999 Administrative Order by Consent (AOC)  
Monthly Report November 1 – November 30, 2006**

Dear Mr. Fischer:

Enclosed is the Sauget Sites Area I Monthly Report for the November 2006 reporting period. This submittal is in fulfillment of the monthly requirements of Section 2.4 Reporting, of the January 21, 1999 Final Administrative Order by Consent for Sauget Sites Area I, Sauget and Cahokia, Illinois.

Sincerely,

A handwritten signature in black ink, appearing to read "Steven D. Smith". The signature is stylized with a large, sweeping "S" and a distinct "H".

Steven D. Smith  
Project Coordinator

**cc:** Kevin Turner – USEPA  
Tim Gouger - USACE  
Sandra Bron - IEPA  
Dave Webb - IDPH  
Mike Coffey - USF&W  
Richard Williams - Solutia  
Cathleen Bumb - Solutia  
Mayor Frank Bergman - Cahokia, IL  
Village of Sauget - c/o P. H. Weis & Associates (Attn: Brian Nelson)  
Mayor R. Sauget - Sauget, IL  
L. Glen Kurowski - Monsanto  
Linda Tape - Husch & Eppenberger

## **Sauget Sites Area I - Sauget, Illinois**

### **AOC - EECA / RIFS**

#### **Status Report**

**Date of Report:** December 10, 2006  
**Period Covered:** November 1, 2006 - November 30, 2006

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#### **Work Performed during the Reporting Period**

Conditional approval of the plan to carry out a soil vapor investigation was received on August 26, 2006. However, in subsequent discussion with the analytical laboratory, it was determined that the 1-liter sample containers required by the Work Plan could not be used because the laboratory could not certify these containers as being clean (an additional requirement of the Work Plan). Approval for the use of 6-liter containers was sought on October 9<sup>th</sup> and the Agency approved this request on October 10<sup>th</sup>. At the same time, approval was also granted for the use of helium for leak detection. The approval for the changes was conditional on the submission of a revised Work Plan incorporating these and previously approved changes. The revised plan was submitted on October 24<sup>th</sup> and comments from the Agency were received on November 2<sup>nd</sup>. Responses to those comments were submitted on November 10<sup>th</sup> and the proposed changes to the Work Plan were approved by the Agency on November 16<sup>th</sup>. At that time, the Agency also approved the start of field activities in advance of the submission of a revised Work Plan. Soil vapor sampling activities started on November 29<sup>th</sup>, but were temporarily halted on November 30<sup>th</sup> because of bad weather. Sampling resumed on December 4<sup>th</sup>.

Three reports of completed investigations (the Evaluation of Buried Drums, The DNAPL Characterization and Remediation Study, and the Mass Flux Estimates report) were also approved in the September 12, 2006 letter from the Agency, as was the Work Plan for DNAPL recovery at BR-I. The activities described in that Work Plan began on October 31<sup>st</sup> and rehabilitation of BR-I was completed on November 2<sup>nd</sup>. A down-hole pump was installed in the well and tested on November 17<sup>th</sup> and all recoverable DNAPL was removed from the well on November 21<sup>st</sup>. A total of approximately 22 gallons of liquid were removed, of which about 6 gallons were DNAPL. The well was pumped again on November 28<sup>th</sup>, at which time 16.75 gallons of liquid were removed. This included about 7.75 gallons of DNAPL. The well will be pumped weekly for another 13 weeks in order to evaluate the rate of DNAPL recovery. The next pumping event is scheduled to occur on December 5<sup>th</sup>.

A Work Plan for investigations in the utility corridors between sites H and L was submitted to the Agency on September 29<sup>th</sup> and is being reviewed.

A meeting with the Agency is scheduled for December 8, 2006.

### **Attachments**

There are no Technical Memoranda or data submitted with this report.

### **Work Scheduled for Next Reporting Period**

- Complete soil vapor sampling and analyze samples
- Continue to pump and remove liquids from BR-I and install an extraction pump in this well once the fluid levels have stabilized.

### **Submittal Status**

No submittals are planned for the next reporting period.